Emerging Business

Robotic Process Automation in Supply Chain

<u>Curriculum</u>

Program Outline :

Module 1: Fundamentals of Robotic Process Automation in Supply Chain

- **RPA Tools and Technologies**:

  Familiarity with popular RPA tools such as UiPath, Automation Anywhere, and Blue Prism.

- **Process Identification and Mapping**:

  Identifying supply chain processes suitable for automation and mapping them out for RPA implementation.

- **Bot Development**:

  Developing and deploying bots to automate repetitive and time-consuming supply chain tasks.

Module 2: Advanced Robotic Process Automation in Supply Chain

- **Autonomous Robots**:

  Implement autonomous robots to perform tasks with minimal human intervention, improving speed and accuracy in operations like warehousing and manufacturing.

- **Advanced AI Integration**:

  Utilize advanced AI technologies to enhance decision-making, optimize warehouse paths, and predict real-time demand

- **Collaborative Robots (Cobots)**:

    Deploy cobots that work alongside human operators to ease physical workloads and increase operational efficiency

Module 3: Practical Applications

- **Automating Order Processing**:

    Use RPA bots to automate the entire order processing workflow, from order entry to invoicing, reducing manual effort and minimizing errors.

- **Inventory Management**:

    Implement RPA to monitor inventory levels, generate automatic reorder alerts, and update inventory records in real-time.

- **Supplier Communication**:

    Automate communication with suppliers for order confirmations, shipment tracking, and payment processing to enhance supplier relationships and streamline operations.

Module 4: Capstone Project

- **Process Identification and Mapping**:

    Identify key supply chain processes suitable for automation and create detailed process maps.

- **Bot Development and Deployment**:

    Develop and deploy RPA bots to automate identified supply chain tasks, such as order processing, inventory management, and supplier communication.

- **Data Integration and Management**:

    Integrate data from various sources to ensure seamless operations and accurate real-time reporting.

Elective Modules

- **Advanced RPA Tools and Technologies**:

    Dive deeper into advanced RPA tools and their functionalities, learning how to maximize their capabilities in supply chain operations

- **AI Integration in RPA**:

    Explore how to integrate AI technologies with RPA to enhance decision-making and automate more complex tasks within the supply chain.

- **RPA Implementation Strategies**:

    Learn best practices and strategies for successfully implementing RPA in supply chain processes, including project management and change management.

- **Data Security and Compliance**:

    Understand the importance of data security and compliance in RPA implementations, ensuring the protection of sensitive supply chain information.

- **Advanced Exception Handling and Error Management**:

    Develop advanced skills in managing exceptions and handling errors in automated processes to maintain smooth and efficient supply chain operations.

Websites:

- https://chools.in/
- https://ramaqchools.com/
- https://www.choolsgroup.com/